

## **SECTION 302 - CHANNEL EXCAVATION**

### **1. GENERAL**

This work shall consist of the excavation of a section of the Smoky Hill River Channel (City Route) adjacent to Kenwood Park and to Oakdale Park in Salina, Kansas. The detailed drawings show the original and proposed channel cross sections and limits of construction. This work also includes the disposal of the excavated material and restoration of disturbed landscaped areas adjacent to the channel.

### **2. CONSTRUCTION REQUIREMENTS**

The Contractor shall excavate accumulated deposits (clays, silts, etc.) from the channel to the cross sections shown on the detailed drawings. If required by construction methods, the original river banks may be sloped or ramped to provide access routes for construction equipment.

It is intended that the channel be excavated essentially to the grades shown on the detailed drawings. The finished channel cross section (horizontal measurements) shall not vary from the plan cross section by more than two (2) feet, plus or minus, in total channel width or more than two (2) feet, plus or minus, in channel bottom width. The finished elevation of the channel bottom shall not be above Elevation 1208.2, but it may be below this elevation. The degree or quality of finishing operations shall be that ordinarily obtainable through the use of power equipment (backhoes, loaders, etc.) operated by skilled operators under normal working conditions.

The section of river channel to be excavated is along the "city route" of the Smoky Hill River. The normal flow into this channel is controlled by an inlet structure near Indian Rock Park. This inlet will remain closed during the excavation of the channel and the outlet structure near Lakewood Park will remain open. Therefore, only stormwater flows will enter this channel during the construction period. The Contractor will be responsible for the construction of small diversion dams; pumping operations; etc. within the channel to protect the work area from stormwater.

The detailed drawings indicate the quantity of excavation required between the various stationing points. However, these quantities are for estimating purposes only.

### **3. DISPOSAL OF MATERIAL**

The Contractor shall transport all excavated channel material to an approved disposal site. It shall be the Contractor's responsibility to secure a site; obtain any required flood plain development permits from the City's Permits and Inspection Department, 300 West Ash Street, Salina, Kansas; provide trucks with tight beds to minimize loss of excavated material onto streets; provide daily cleanup on streets along disposal routes; etc.

The Engineering Department has been contacted by a number of individuals offering their property as possible disposal sites. A list of such locations is available from the Engineering Department, 300 West Ash Street, Salina, Kansas.

4. LANDSCAPED AREAS

Sodded and landscaped areas adjacent to the channel shall be disturbed only to the extent required to permit the specified excavation work. These areas may be utilized as stockpile sites, provided all of the excavated channel material is removed from these landscaped and/or sodded areas within five (5) days.

Trees within the construction zones shall be carefully preserved and due care shall be taken to prevent unnecessary damage to any vegetation or landscaping improvements within the park system. The Contractor shall contact the City of Salina Park Department and receive the Park Department's approval prior to the removal of any tree within the construction limits of this project.

Upon completion of the channel excavation and disposal operations, the disturbed areas adjacent to the channel and surrounding park areas shall be carefully restored by harrowing, etc. to allow the grassed and/or sodded areas to be re-seeded by others.